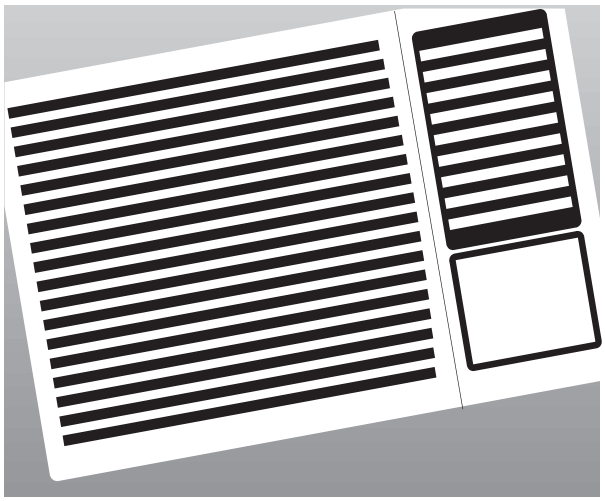
SAMSUNG

OWNER'S INSTRUCTIONS

AWT18W1HDF
AW24W1HEA
AW24W1HEB

Window-type Room Air Conditioner
(Cool)



Ⓔ DB98-15142C(2)

Safety Precautions

The following safety precautions must be taken when using your air conditioner.

1 *The unit must be plugged into an independent circuit.*
The air conditioner must be installed in accordance with national wiring regulations and safety regulations wherever applicable.

2 *Some installation locations may require installation of a short circuit breaker or grounding.*

3 *If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.*

4 *MAKE sure that the unit is correctly ventilated at all times ;*
do NOT place clothing or other materials over it.

5 *NEVER spill any kind of liquid into the unit. Should this happen, unplug the unit and contact an authorized service center.*

6 *Do NOT insert anything between the air outlet blades because the inner fan may be damaged and could cause injury. Keep children away from the unit.*

7 *Do NOT place any obstacles in front of the unit.*

8 *Users of this product are cautioned not to attempt repairs.*
Instead, they are requested to directly contact a designated service center or the outlet at which the product was purchased.

9 *Do not use an extension cord with this product.*

10 *The appliance is not intended for use by young children without supervision ;*
young children should be supervised to ensure that they do not play with the appliance.

11 *Never store or ship the air conditioner upside down or sideways to avoid damage to the compressor.*

12 *Max current is measured according to IEC standard for safety*
and current is measured according to ISO standard for energy efficiency.

CAUTION

The manufacturer does not assume responsibility for accidents or injury caused by an incorrectly installed air conditioner. If you are unsure about installation, contact an installation specialist.

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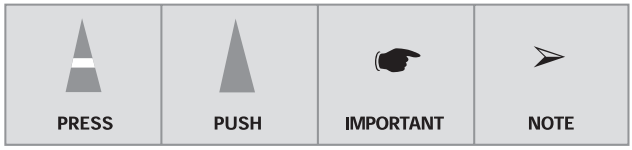
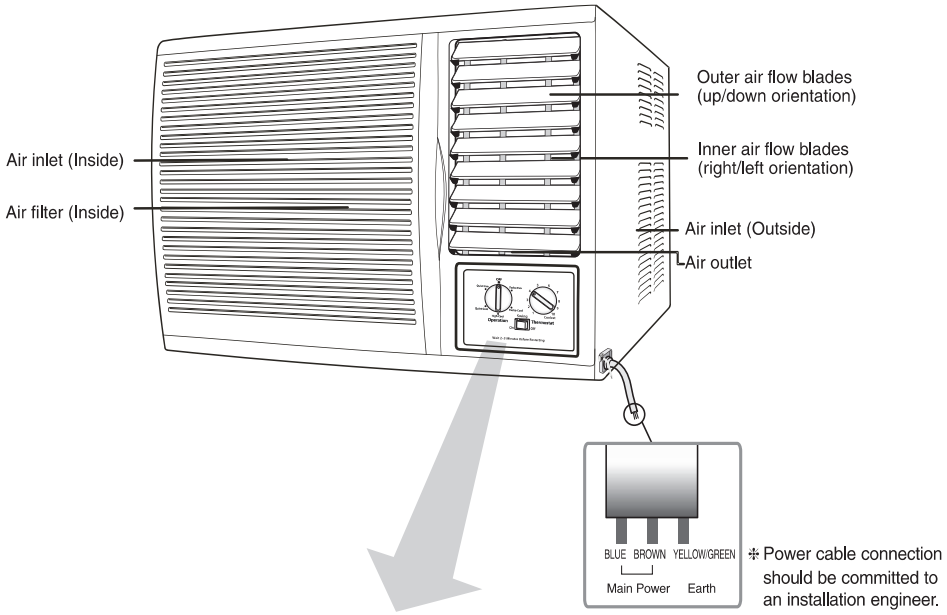
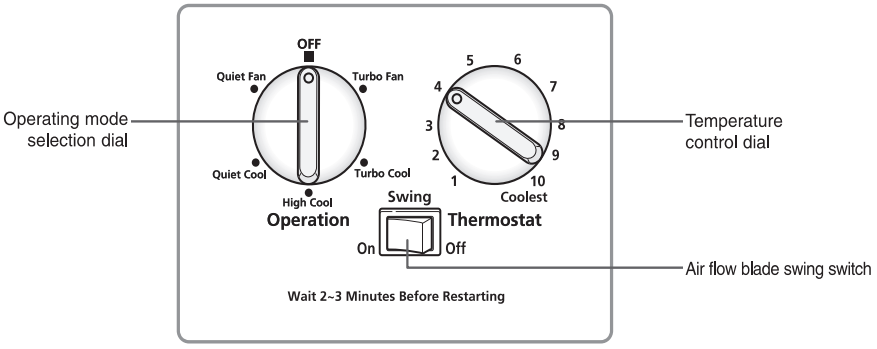
The illustrations in the step-by-step procedures use four different symbols:



Air Conditioning Unit - Main Parts and Control Panel

❄ The design and shape are subject to change according to the model.





Cooling Your Room

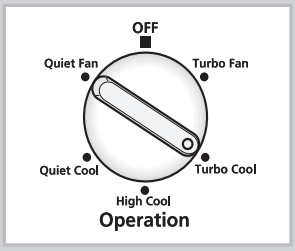
You must select the Cool mode if you wish to lower the temperature in your room. You can also set the fan speed.

1 Select the operating mode and fan speed.

To cool your room with a...	Set the operating mode selection dial to...
Turbo fan speed	Turbo Cool
Between Turbo and Quiet	High Cool
Quiet fan speed	Quiet Cool

Result:
- The air conditioner starts up in Cool mode.
- The fan starts up at the speed selected.

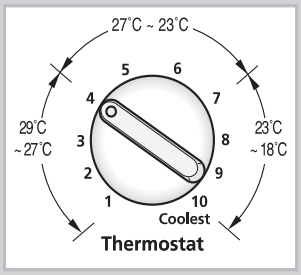
➢ You can change modes at any time.



2 To adjust the temperature, turn the temperature control dial to the desired position.

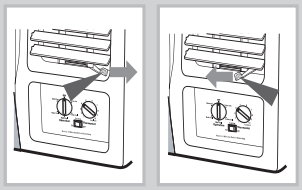
Possible temperatures: Between 18°C and 29°C inclusive.

Result:
- The air conditioner starts cooling if the room temperature is higher than the selected temperature.



3 To control the direction of the air flow, refer to page 7.

Airing Your Room



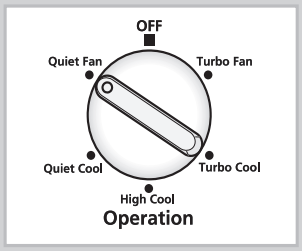
If the atmosphere in your room is stale, you can air it using the Fan feature and if necessary, evacuate the stale air outside.

1 If you wish to evacuate stale air outside, push the ventilation lever on the front of the unit to the right and the open position ( ).

Result: The air inside the room circulates and stale air is evacuated outside.

Otherwise, push the ventilation lever to the left and the closed position ( ).

Result: The air simply circulates inside the room.



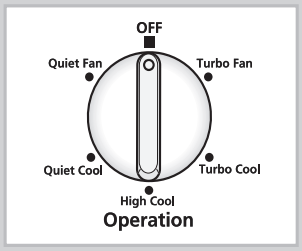
2 Set the operating mode selection dial to the Turbo Fan or Quiet Fan position.

➢ Turbo Fan : The fan turns rapidly.
Quiet Fan : The fan turns slowly.

Result: The air conditioner starts up in Fan mode.

3 To control the direction of the air flow, refer to page 7.

Switching the Air Conditioner Off



You can switch the air conditioner off whenever you want.

1 To switch the unit off, simply set the operating mode selection dial to the OFF position.

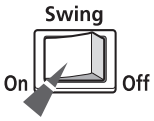
Result: The air conditioner stops operating.

Adjusting the Air Flow Direction Horizontally

Depending on the position of the unit in your room, you can adjust the orientation of the inner air flow blades on the right-hand side of the unit, thus increasing the efficiency of the air conditioner.

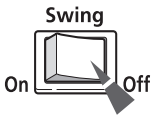
1 Set the air flow blade swing switch to the **On** position.

Result: The inner blades swing automatically left and right.



2 To stop the blades moving left and right, set the air flow blade swing switch to the **Off** position.

➢ To stop the blades in a specific position and orient the air flow in the corresponding direction, simply set the switch to the **Off** position when the blades are in the desired position.



Adjusting the Air Flow Direction Vertically

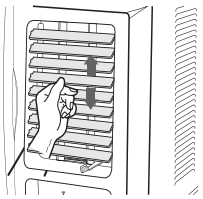
Again depending on the position of the unit in your room, you can adjust the orientation of the outer air flow blades on the right-hand side of the unit.

RECOMMENDATION	When...	Adjust the blades to face...
	Cooling	Upwards.

Adjust the air flow blades to the desired position, by pushing them upwards or downwards.

➢ If you orient the air flow blades downwards and the unit operates in Cool mode for long periods of time, dew may:

- Form on the surface of the blades
- Drip from the blades



Operating Recommendation

Here is a recommendation that you should follow when using your air conditioner.

Topic	Recommendation
Power failure	If a power failure occurs when the air conditioner is operating, the unit is switched off. When the power returns, the air conditioner starts up again automatically.

Temperature and Humidity Ranges

The following table indicates the temperature and humidity ranges within which the air conditioner can be used.

Mode	Indoor Temperature	Outdoor Temperature	Indoor Humidity
Cooling	21°C to 32°C approx.	21°C to 54°C approx.	80% or less
	21°C to 32°C approx.	21°C to 43°C approx.*	80% or less

If the air conditioner is used at...	Then...
Higher temperature	The automatic protection feature may be triggered and the air conditioner stopped.
Lower temperature	A water leakage or some other malfunction may happen if the heat exchanger freezes.
Higher humidity levels	Water may condense on and drip from the surface of the unit if it is used for long periods.

* For AW24W1HEA & AW24W1HEB model only.

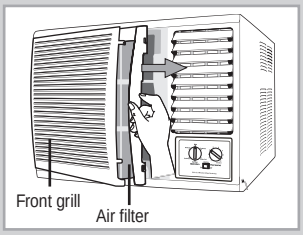
Cleaning Your Air Conditioner

Be sure to clean the air filter periodically to maintain the air conditioner in the best condition for a long period of time.

When cleaning the air conditioner, turn it off and pull out the power plug.

1 Hold the air filter handle, slightly pull it to the left side and open the front grille.

➢ The removal of the front grille makes it easier to clean the air conditioner.



CAUTION

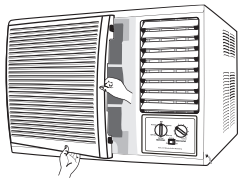
Removal and Reassembly of the Front Grille

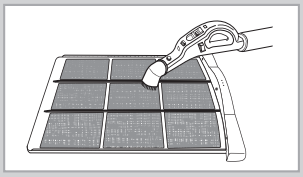
For user's safety, a safety clip has been installed in the front grille.

1 Grasp the lower part of the front grille and the air filter handle, then open the grille. (The open angle of front grille has not to be exceeded 90 degree)

2 Pull out the front grill and remove it from front panel.

3 Reassembling of front grille should be done in reverse order of disassembly.



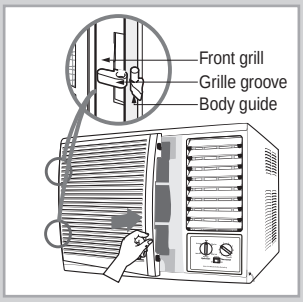


2 Pull the air filter to the right side.

3 Remove all dust on the air filter with a vacuum cleaner or brush.

4 When you have finished, insert the air filter back into its original position.

5 Wipe the surface of the unit with a neutral detergent and then wipe it again with dry cloth.
(Be sure not to use benzene, solvent or other chemical products.)



➢

If you...	Then...
Will not use the air conditioner for a long period of time	◆ Set the operating mode selection dial to “Quiet Fan” and let it run of a few hours to dry the inside of the air conditioner thoroughly. ◆ Switch the air conditioner off and unplug it from the wall socket. ◆ Clean the filter and outer surfaces.
Have not used the air conditioner for a long period of time	Set the operating mode selection dial to “Quiet Fan” and let it run of a few hours to dry the inside of the air conditioner thoroughly.

Solving Common Problems

Before contacting the after-sales service, perform the following simple checks. They may save you the time and expense of an unnecessary call.

Normal Operation

- There is a clicking sound of thermostat, when the compressor cycles on and off.
- The fan may run, even if the compressor does not "ON".
- During high humidity or on rainy season, water will collect in the base tray. The water may overflow and drip from the outdoor side of the unit.
- Some times, on rainy season or when humidity is high, pinging noise may occur caused by water splashing against the condenser heat exchanger by the condenser fan.
  This design feature helps in removing the moisture and improve efficiency of the unit.

PROBLEM	EXPLANATION / SOLUTION
The air conditioner does not operate at all	◆ Check that the circuit breaker used for the air conditioner has not been triggered. ◆ Check that the power cable is plugged into a wall socket and the socket is switched on, if necessary. ◆ Check that the correct operating mode has been selected (cooling or airing).
The air conditioner does not cool	◆ Check that the correct operating mode has been selected. ◆ The room temperature may be too low. ◆ Dust may be blocking the air filter; refer to page 9 for cleaning instructions. ◆ Check that there is no obstacle blocking the air flow into or out of the unit.
The air flow direction does not change when you set the air flow blade swing switch to the **On** position	◆ Check that the air conditioner has been switched on; if necessary, turn the operating mode selection dial ; refer to page 7.
Odour is permeated in the room during air conditioning	◆ Air the room.

Technical Specifications

Design and specifications are subject to change without notice.

Model	Capacity	Power Supply	Current	Power	Net Dim.(mm)
AWT18W1HDF	18000 BTU/hr	200-220V~, 50Hz	9.5A	1950W	W620 x H425 X D645
AW24W1HEA AW24W1HEB	24000 BTU/hr	220-240V~, 50Hz	12.0A	2700W	W620 x H425 X D645

Note : All specifications are as per rated condition, i.e. Indoor temp. : 27°C and outdoor temp: 35°C.
Current and power vary as the outdoor temperature vary.

Installation

Before installation, be sure to check the installation area for the air conditioner, and drain hose.

Checkpoints prior to installation

1 Check the cabinet and front grille of the unit for any harmful defects such as scratches.

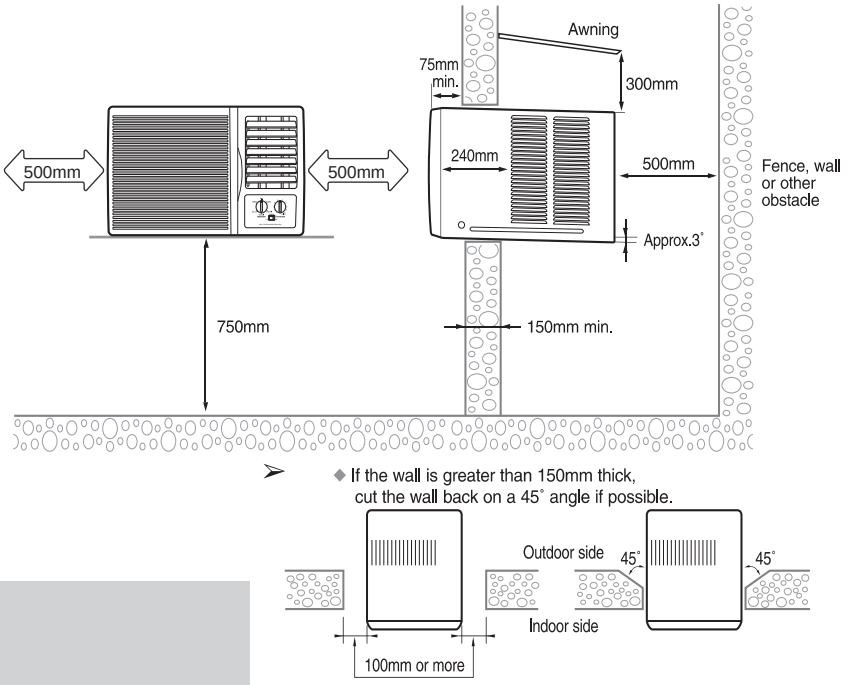
2 Be sure to check the power supply.
- Refer to the specifications on the label attached to the unit.

Installation Conditions

1 As the unit is heavy, the wall or window of the installation area should have sufficient strength and durability for operation of the air conditioner, and for prevention of any vibration or noise.
If it is weak, reinforcement work should be performed separately.

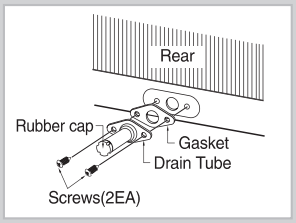
2 It is advisable to install the air conditioner in the north or west side to prevent the effect of direct sunlight.
When installing it in the south or east side due to unavoidable circumstances, it is advisable to install the sunshade to prevent the direct sunlight.
In this case, take care not to cause any hindrance to the flow of outside air.

3 When installing the air conditioner, be sure to obtain sufficient space on the rear side of the unit for smooth flow of air.
When operating the air conditioner in closed areas such as inner building with cooling operation, and result in trouble with the unit.
See the illustration below.



Installation of the Drain Tube

Fix the drain tube as shown in the figure.



Installation of the Drain Pan

The procedure for installing the drain pan should be determined by the condition of the installing area.

◆ **In the case of an area where the drain pan can not be directly installed on the rear side of the unit after installing the air conditioner.**

Example: High storage

1 Open the front grille ; refer to page 9.

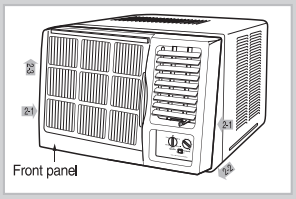
2 Remove the front panel.

2-1 Press both sides of the cabinet in the direction of the arrow as shown in the figure.

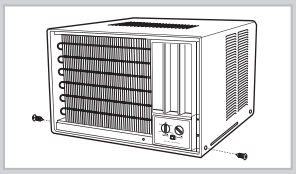
2-2 Pull the lower part of the front panel slightly forward. (below three inches)

2-3 Lift the front panel upward.

☛ Applying excessive force to remove the front panel may cause damage to the tab ; be sure not to use excessive force.



3 Remove two screws on the lower, right and left sides of the unit.



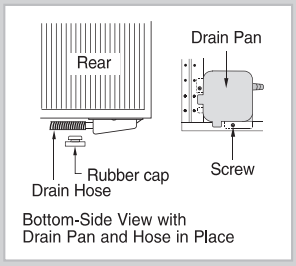
4 Remove the chassis from the cabinet.

5 Remove the rubber cap inserted into the basepan.

6 Fix the drain pan as shown in the figure, and then connect the drain hose. (You can use any commercially-available drain hose.)

7 Install the cabinet at the specified area after installing the drain pan, and then re-assemble it in the original condition.

➢ Tighten the supplied screw on the lower part of front panel to secure the front panel.



Bottom-Side View with Drain Pan and Hose in Place

◆ **In the case of an area where the drain pan can be directly installed on the rear side of the unit after installing the air conditioner.**

1 Follow steps 5 and 6 only

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